

LISTING OF CLAIMS

The following listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) A storage area network management and configuration system, comprising:

an enterprise network including a plurality of computer systems, the plurality of computer systems including server computer systems and client computer systems, wherein the server computer systems include a server component and the client computer systems include a client component;

a storage enclosure ~~being~~ connected to a server computer system having the server component, the storage enclosure having a RAID array of disks; and

a graphical user interface provided by the client component at a client computer system, the graphical user interface ~~provides a graphical representation of the enterprise network and icon links to configuration tools for selecting and structurally defining at the client computer system the RAID array of disks of the storage enclosure connected to the server computer system~~ being defined to enable a user to physically build and modify the RAID array of disks of the storage enclosure connected to the server computer system from the client computer system without requiring the user to locally interact with the server computer system.

2. (Currently Amended) A storage area network management and configuration system as recited in claim 1, ~~wherein the configuration tools comprise~~ further comprising:

an array modifier ~~link for selecting a RAID array that is desired to be modified in terms of adjusting a drive selection and RAID level~~ tool configured to allow online modification of a capacity and cache parameters of a disk array.

3. (Currently Amended) A storage area network management and configuration system, comprising:

an enterprise network including a plurality of computer systems, the plurality of computer systems including server computer systems and client computer systems, wherein the server computer systems include a server component and the client computer systems include a client component;

a storage enclosure ~~being~~ connected to a server computer system having the server component; and

a graphical user interface provided by the client component at a client computer system, the graphical user interface ~~provides a graphical representation of the enterprise network and icon links to configuration tools for selecting and structurally defining at the client computer system the storage enclosure connected to the server computer system, the graphical representation of the enterprise network and icon links to configuration tools further includes an array builder link, the array builder link when selected provides selection tabs to allow array building from an array template or from scratch, the selection tabs being further configured to allow a level assignment for array building~~ being defined to provide functional tools to enable a user of the client computer system to physically build a RAID array of disks either from scratch or through application of a RAID building template without requiring the user to locally interact with the server computer system.

4. (Currently Amended) A storage area network management and configuration system as recited in claim 3, wherein ~~the array building from an array template~~ the functional tool to enable the user of the client computer system to build the RAID array of disks through application of a RAID building template, comprises:

~~hardware being selectable for configuration, the hardware to configure is selected from the storage enclosure or from additional storage enclosures that are connected to the enterprise network~~ a first container defined to enable selection of disks to be used in building the RAID array of disks, wherein the disks reside within a storage enclosure present within the enterprise network;

a second container defined to enable selection of ~~an array~~ the RAID building template that contains a RAID configuration scheme that is optimally selected for a particular storage application; and

code for dragging the selected ~~array~~ RAID building template, that is in the form of an icon, over the selected ~~hardware~~ disks or dragging the selected ~~hardware~~ disks over the selected ~~array~~ RAID building template, the dragging is configured to automatically apply the RAID configuration scheme.

5. (Original) A storage area network management and configuration system as recited in claim 4, wherein the RAID configuration scheme includes,

a RAID level;

a number of drives in the selected hardware;

a number of spare drives;

a stripe size; and

an array address.

6. (Currently Amended) A storage area network management and configuration system as recited in claim 1, ~~wherein the configuration tools comprise~~ further comprising:

an enterprise monitor ~~link, when selected the monitor link provides~~ tool configured to provide a window wherein monitoring settings can be set.

7. (Previously Amended) A storage area network management and configuration system as recited in claim 6, wherein the monitoring settings includes,

a failure indicator; and
a disk capacity indicator.

8. (Original) A storage area network management and configuration system as recited in claim 7, wherein the monitoring settings further include,

a temperature indicator for the storage enclosure;
a battery health indicator; and
a power supply health indicator.

9. (Original) A storage area network management and configuration system as recited in claim 6, further comprising:

an enterprise monitor window for providing a quick view of selected storage enclosure parameters.

10. (Currently Amended) A storage area network management and configuration system as recited in claim 1, ~~wherein the configuration tools comprise~~ further comprising:

an event notifier ~~link, when selected provides~~ configured to provide customizable failure and status notifications associated with storage enclosures within the enterprise network.

11. (Original) A storage area network management and configuration system as recited in claim 10, wherein the customizable failure and status notifications include, setting user notification profiles, the profiles include communication information.

71
12 (Original) A storage area network management and configuration system as recited in claim 11, wherein the communication information includes e-mail information and pager information.

13. (Currently Amended) A storage area network management and configuration system as recited in claim 1, ~~wherein the configuration tools comprise~~ further comprising:

an enterprise icon; that when selected allows viewing of the enterprise network that includes the plurality of computer systems and associated storage enclosures that are connected to server computer systems having the server component.

14. (Original) A storage area network management and configuration system as recited in claim 13, wherein the viewing of the enterprise network can be of physical devices or logical devices, and the physical devices and the logical devices can be displayed in one of a tree view and a quick view.

15. (Currently Amended) A storage area network management and configuration system as recited in claim 14, further comprising:

a graphical failure representation ~~is provided of~~ provided for selected drives of the storage enclosure, the graphical failure representation being configured to be displayed on a failed drive when the failed drive is in a viewable setting and on the storage enclosure when the failed drive is not in the viewable setting.

DI 16. (Previously Amended) A storage area network management and configuration system as recited in claim 1, wherein the client component provides a user administrator the management and configuration control to the storage enclosure of the enterprise network.

17. (Original) A storage area network management and configuration system as recited in claim 1, wherein the enterprise network can include a plurality of storage enclosures that are connected to selected computer systems that are part of the enterprise network and that have the server component.

18-24. (Cancelled)